

ABSTRACT OF THE INVENTION

A video display system that co-locates a video display memory with the video display device, and transmits to the display device those portions of the image data that have changed rather than continually updating the entire video image. Each display device is addressable, allowing multiple display devices showing different images to be updated through a single display controller port over a single bus or over a single daisy-chain connection. The image data can be updated synchronously or asynchronously, and display devices using different formats can share the same bus or cable.